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8-30-01

1/5

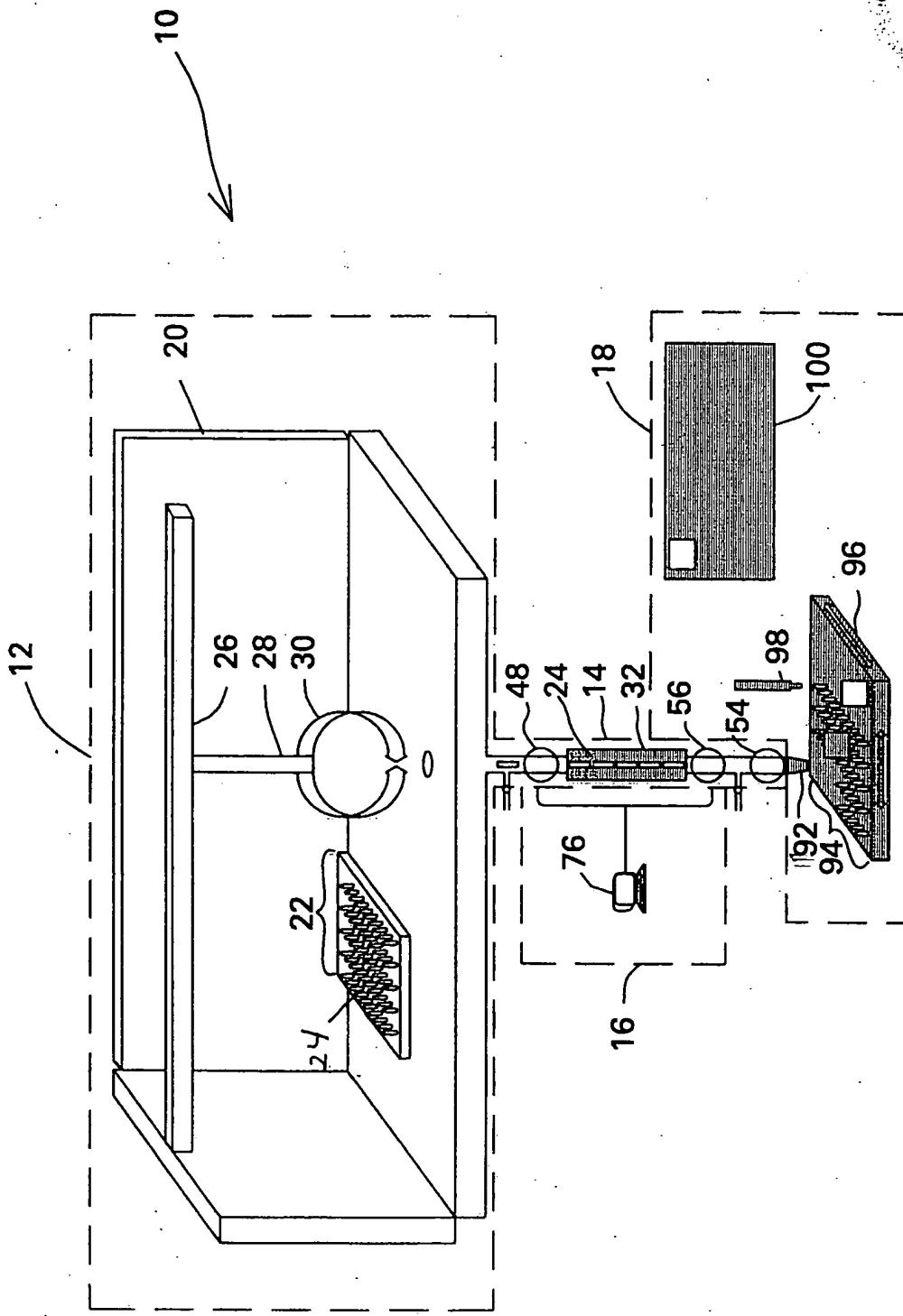


FIG. 1

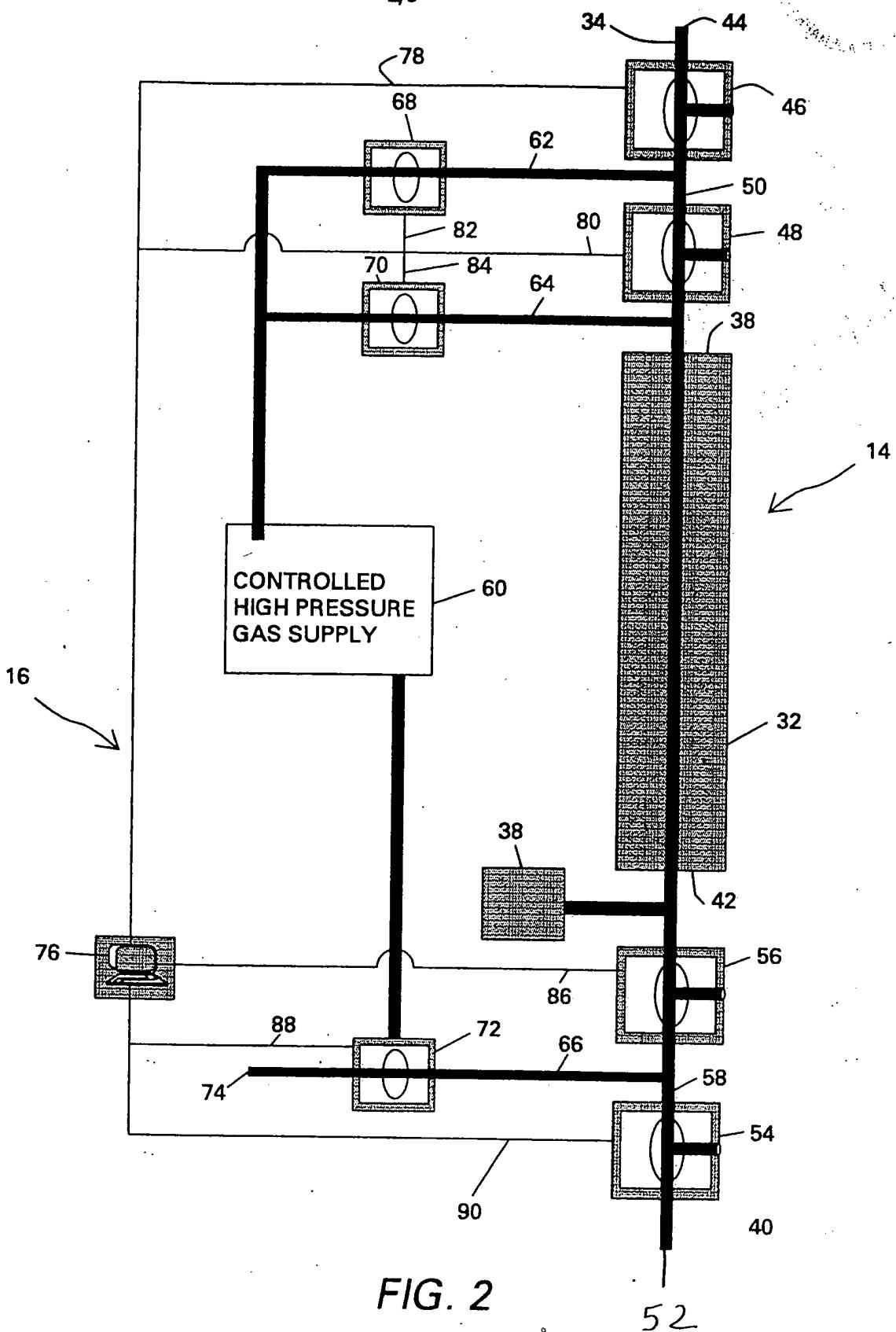


FIG. 2

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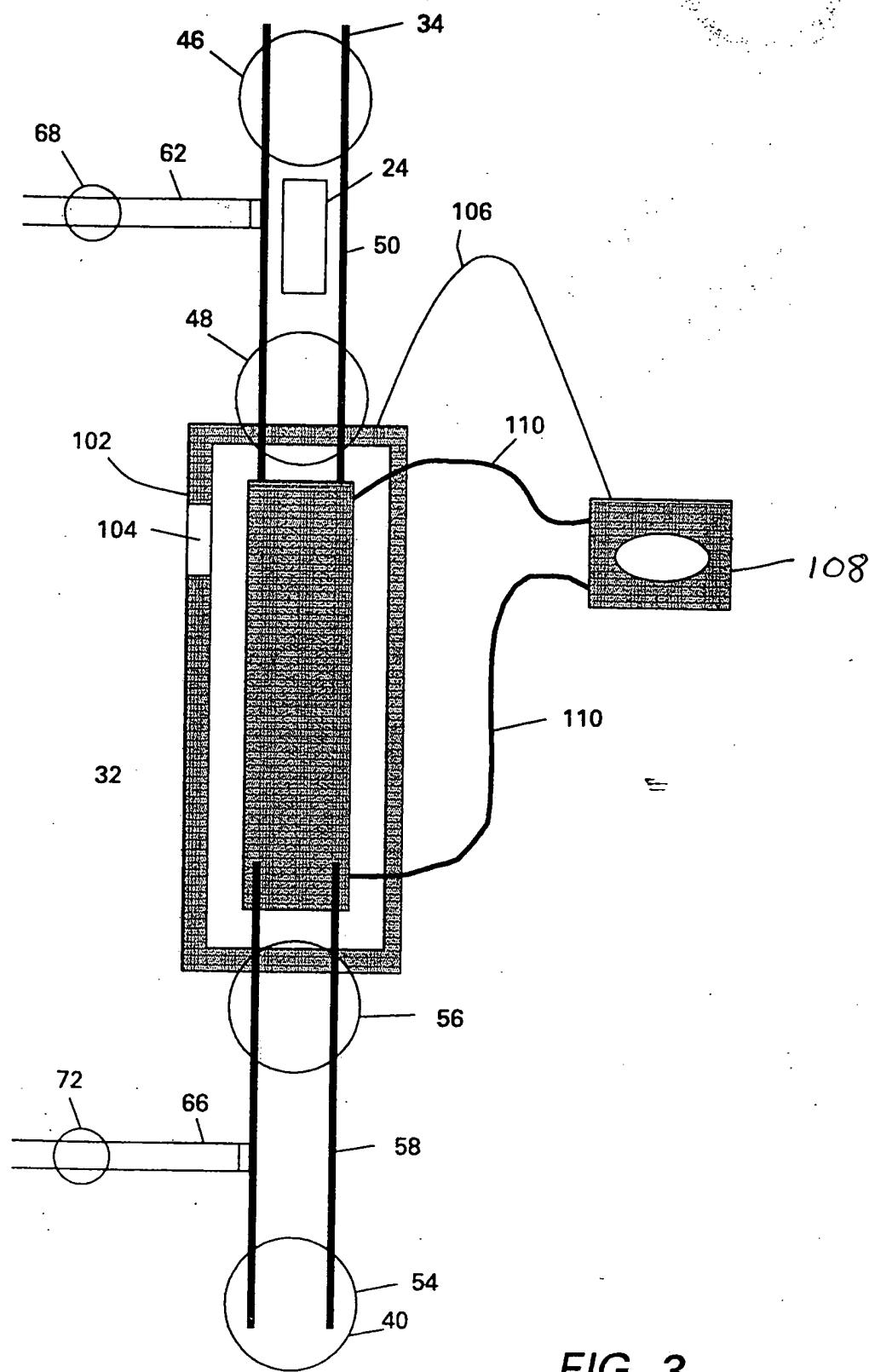


FIG. 3

FIG.4

Step	46	48	68	70	72	54	56	38	Action
1	Open	Closed	Closed	Vent	Closed	Open	Off	Off	Start System
2	Open	Closed	Closed	Open	Closed	Open	Off	Off	Pressure Chamber
3	Open	Closed	Closed	Open	Closed	Open	Off	Off	Vial to Lock
4	Closed	Closed	Closed	Open	Closed	Open	Off	Off	Start Charge Lock
5	Closed	Closed	Open	Open	Vent	Closed	Open	Off	Pressure Lock
6	Closed	Open	Open	Open	Vent	Closed	Open	Off	Vial to Chamber
7	Closed	Closed	Closed	Open	Vent	Closed	Open	Off	Depressurize
8	Open	Closed	Closed	Open	Vent	Closed	Open	Off	End Charge Lock
9	Open	Closed	Closed	Open	Vent	Closed	Open	Off	Start Discharge Lock
10	Open	Closed	Closed	Open	Gas	Closed	Closed	Off	Pressure Lock
11	Open	Closed	Closed	Open	Gas	Closed	Closed	Off	Actuate Vial Shim
12	Open	Closed	Closed	Open	Gas	Open	Closed	On	Drop Vial
13	Open	Closed	Closed	Open	Gas	Closed	Closed	On	Release Next Vial
14	Open	Closed	Closed	Open	Vent	Closed	Closed	Off	Depressurize
15	Open	Closed	Closed	Open	Vent	Closed	Open	Off	Discharge Vial
16	Open	Closed	Closed	Open	Vent	Closed	Open	Off	

**Influence of 129 Main Effects and Interactions
(as measured by ANOVASum of Squares)**

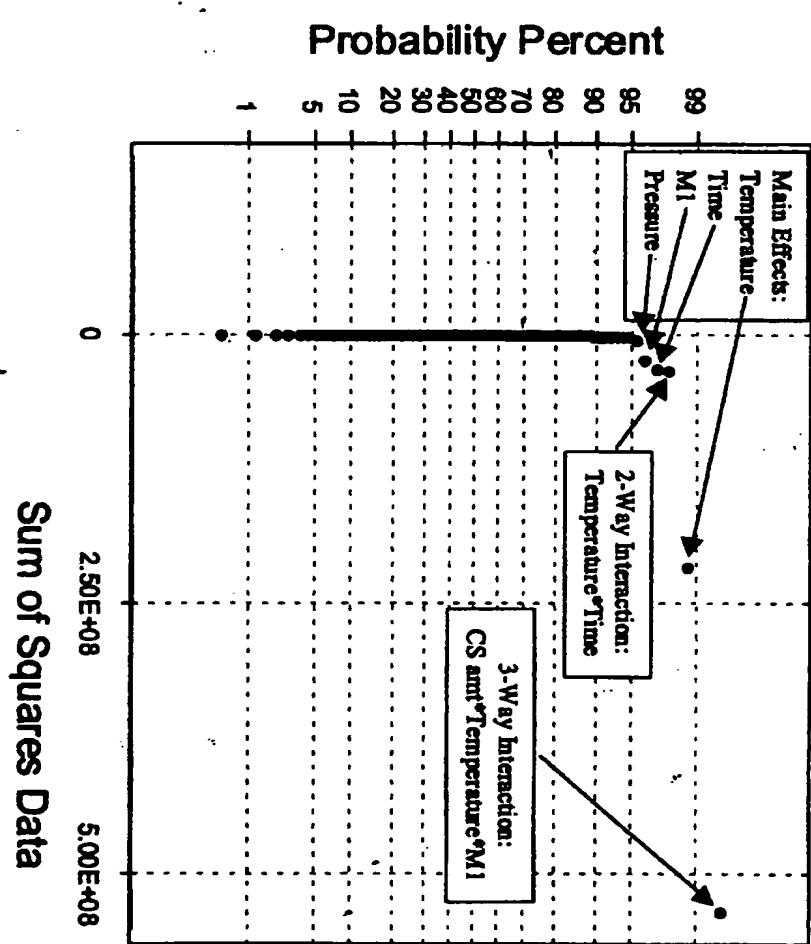


FIG.5